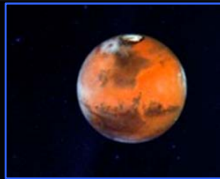




NASA's Space Launch System (SLS): *Acquisition Overview*

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NASA Marshall Space Flight Center
September 4, 2013

Space Launch System



Implementing the SLS Acquisition Plan



◆ Background

- September 2011, SLS Architecture Announcement and Procurement Strategy Meetings defined a course to meet key requirements for initial two flights

◆ Key Requirements

- Affordability
 - Utilize existing contracts to the maximum extent possible for initial capability
 - Significant hardware investments
 - Significant portions of the supply chain were in place
 - Less design, development, test, and evaluation (DDT&E) risk and cost
 - Utilization of existing contracts through undefinitized contractual actions (UCAs) enabled the SLS Program to achieve rapid results for the initial configuration

◆ Performance Margin

- Evolvable capability
- Significant National capability

◆ Evolved Vehicle

- Competitions for technology infusions and vehicle upgrades



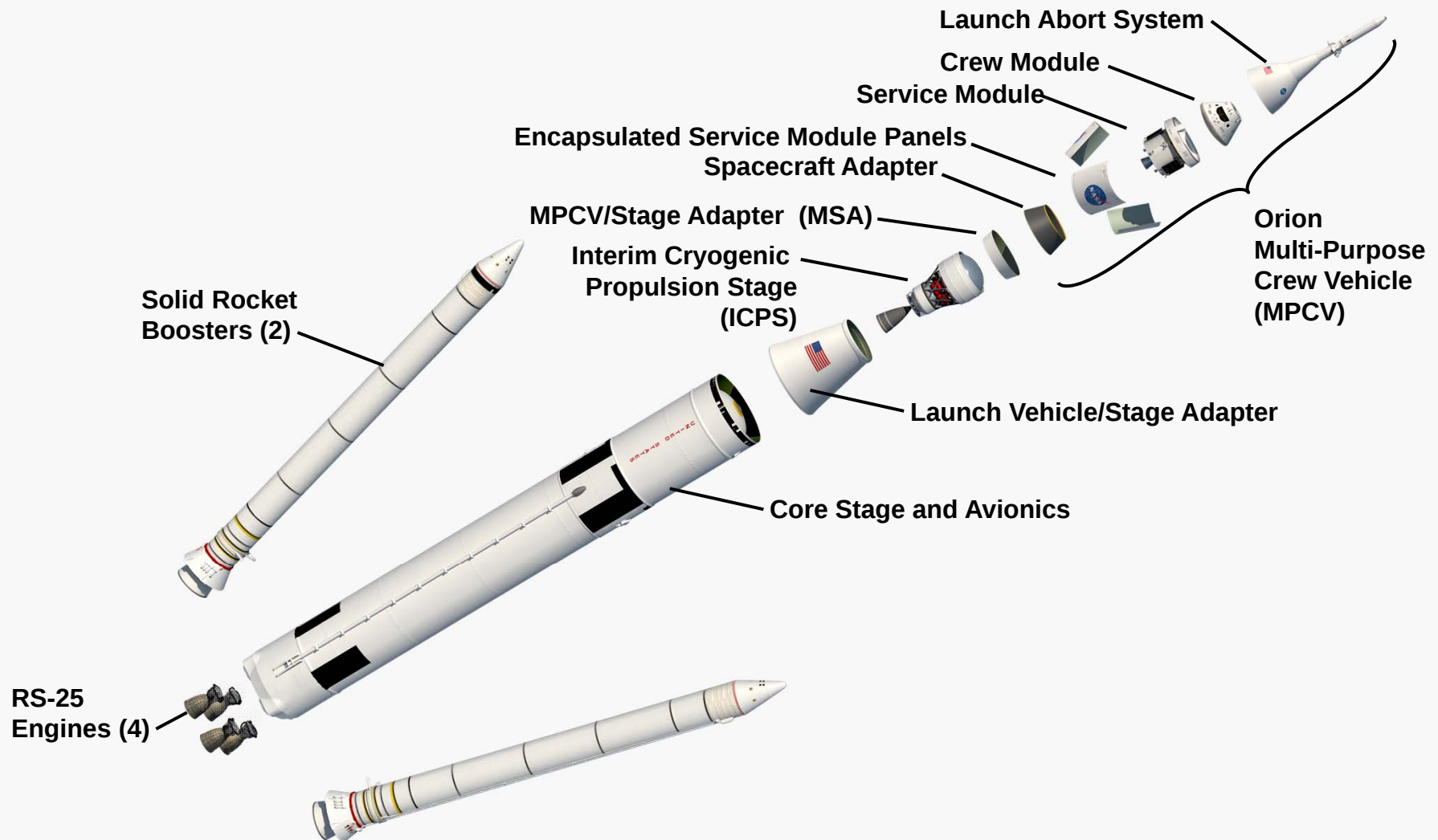
This rocket is key to implementing the plan laid out by President Obama and Congress in the bipartisan 2010 NASA Authorization Act.

*— NASA Administrator Charles Bolden
September 14, 2011*



SLS Will Be Safe, Affordable, and Sustainable

SLS 70 metric ton Expanded View



Initial Capability Stands on the Shoulders of Legacy Systems

Implementing the SLS Acquisition Plan



◆ Recent Achievements

- Definitized Booster UCA (April 2013)
- Definitized Engine UCA (Aug 2013)
- Negotiated Stages UCA, Part 1 (Aug 2013)
- Final Technical Evaluation Stages UCA, Part 2 (Aug 2013)
- ICPS Technical Team Reviews (Aug 2013)
- LVSA Industry Day (Aug 2013)

◆ Evolved Vehicle

- Awarded Advanced Booster Contracts (Oct 2012–Feb 2013)
- Awarded Advanced Concepts Contracts and Grants (Oct–Dec 2012)



Contracts with Large and Small Businesses and Academia

Current Activities of Note



◆ **Manufacturing Support and Facility Operations Contract (MSFOC)**

- Provides operations and maintenance for Michoud Assembly Facility
- Robust opportunities for commercial tenants
- Synergy Achieving Consolidated Operations and Maintenance Contract (SACOM) activity
 - RFI issued June 2013
 - Procurement Development Team (PDT) in process

◆ **Launch Vehicle Spacecraft Adapter (LVSA) Competition**

- Ongoing activity under MSFC's Engineering Solutions and Prototypes (ESP) Contract
- Significant Small Business goals in the ESP contracts
 - Radiance Technologies
 - Teledyne Brown Engineering
 - Wyle Laboratories

Competitive Opportunities

Meeting Small Business Goals



- ◆ The NASA MSFC Small Business Specialist has performed a NASA Policy Directive 5000.2C uniform methodology assessment for all appropriate SLS requirements
- ◆ Subcontracting plan goals for existing contracts have been or will be updated
- ◆ Small business utilization performance is evaluated on both incentive fee and award fee contracts
 - Mentor/Protégé Program
 - Aerojet-Rocketdyne and Alabama A&M University



Marshall has won the NASA Small Business Administrator's Cup for the third time in five years.

***Targeting Robust Small Business Partnerships
Through Various Channels***

SLS Acquisition Summary



- ◆ The SLS contract activity continues to be implemented per initial acquisition strategy.
- ◆ The acquisition strategy enables key SLS requirements of *safety, affordability, and evolvable performance*.
- ◆ SLS will continue to work closely with NASA's Office of Small Business Programs to maximize opportunities for all parts of the Agency's socio-economic programs.
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Launching 2017